

## 1000 Mbps Gigabit Single-Mode Fiber Ethernet Media Converter SC 15km

**Product ID:** MCMGBSC15



The MCMGBSC15 Ethernet Media Converter converts transparently to/from 1000Base-T Ethernet signals and 1000Base-LH optical signals, providing a cost-effective Ethernet-fiber/copper-fiber link. - Perfect for extending an Ethernet network connection over a Single Mode fiber backbone.

Supporting a Single Mode fiber optic cable distance of up to 15-kilometers (9.32-miles), this Fiber Media Converter delivers a simple solution for connecting Gigabit Ethernet networks to remote locations using SC-terminated SM fiber, while ensuring solid network performance and scalability.

### Certifications, Reports and Compatibility

### Applications

- Extending an Ethernet connection by up to 15km (9.32 miles) using a fiber backbone
- Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones
- Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus)

### Features

- Auto detects half/full duplex transfer mode from the TX port
- Auto negotiation MDI/MDI-X (Crossover for TX port)
- Compact design

- LED Indicators for simple Ethernet/Fiber network link monitoring
- Simple installation
- Supports forced full duplex or auto-negotiation modes on the fiber link
- Supports 802.3ab 1000Base-TX, and 1000Base-LX/LH industry standards
- Supports a maximum Single-mode fiber optic cable distance of 15km
- Supports IEEE 802.1q Tag VLAN pass through
- Supports transparent Q-in-Q double tagged frames
- 1310nm Wavelength

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#### Hardware

Warranty	2 Years
PoE	No
WDM	No
Industry Standards	IEEE 802.3z 1000BASE-LX/LH

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#### Performance

Maximum Data Transfer Rate	1000 Mbps (1 Gbps)
Max Transfer Distance	15 km (9.3 mi)
Type	Single Mode
Wavelength	1310nm
Fiber Operating Mode	Half/Full-Duplex

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#### Connector(s)

Local Unit Connectors	RJ-45
Remote Unit Connectors	Fiber Optic SC Duplex

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#### Indicators

LED Indicators	FX Link: On - Valid Fiber Link
	Power Indicator
	TP Link: On - Valid Ethernet Link



TP RX: On - Receiving Data on the Ethernet Link

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**Power**

Power Source	AC Adapter Included
Input Voltage	110V-240V AC
Input Current	0.3 A
Output Voltage	9V DC
Output Current	0.6A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	5.4

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**Environmental**

Operating Temperature	0C to 40C (32&degF to 104F)
Storage Temperature	-10C to 70C (14&degF to 158F)
Humidity	90% RH

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**Physical Characteristics**

Color	Black
Product Length	3.9 in [99 mm]
Product Width	2.9 in [73 mm]
Product Height	1.1 in [27 mm]
Weight of Product	8.4 oz [238 g]

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**Packaging Information**

Package Length	8.1 in [20.5 cm]
Package Width	6.6 in [16.8 cm]
Package Height	2.6 in [65 mm]
Shipping (Package)	15.1 oz [428 g]



Weight

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**What's in the Box**

Included in Package	Media Converter
	Power Adapter
	Instruction Manual

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*\*Product appearance and specifications are subject to change without notice.*

